Bluetooth Mini Keyboard

User Manual

For

Microsoft Pocket PC 2003

Windows Mobile 5.0

Phone Edition

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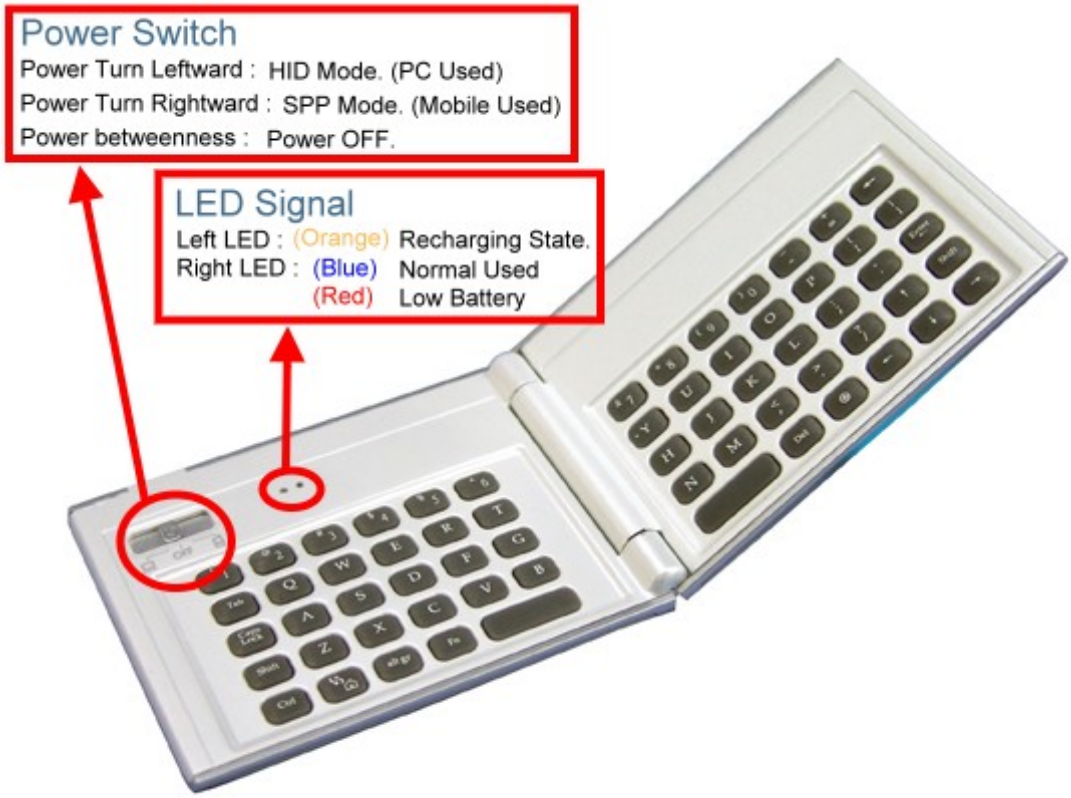
Introduction of Bluetooth Keyboard

- **Keyboard Features**


Power Switch
Power Turn Leftward : HID Mode. (PC Used)
Power Turn Rightward : SPP Mode. (Mobile Used)
Power betweenness : Power OFF.
LED Signal
Left LED : (Orange) Recharging State.
Right LED : (Blue) Normal Used
(Red) Low Battery

Driver Installation/Upgrading/Remove

➢ System Requirements

- Microsoft Pocket PC 2003 / Windows Mobile 5.0 with built-in Bluetooth.
- At least 420 KB of free memory on your Pocket PC.
- A computer with the Microsoft Windows 2000 / XP operating system.
- A synchronizing program on your computer, such as Microsoft ActiveSync 3.6 or higher, for copying files to your Pocket PC.

➢ Before to Use

- Check the batteries status of Bluetooth Mini keyboard.
  (Turn the switch on to check the Blue light on the keyboard.)
- Disable other application which will use Bluetooth port on your Pocket PC.

➢ How to Install / Upgrade / Remove the Bluetooth Mini keyboard Driver?

■ Installation

- Connect your Microsoft Pocket PC 2003 / Windows Mobile 5.0 through infrared/cable for ActiveSync with the computer.
- Insert Bluetooth Mini Keyboard CD into computer's CD-ROM drive.
- Follow the instruction on screen to complete the installation.
- After the Bluetooth Mini keyboard driver is installed successfully and the Microsoft Pocket PC is reset, you can find this Bluetooth Mini keyboard icon is showed on the Start Menu of the Pocket PC.(Figure 1)

Figure 1

■ Upgrading

Please check the Agent's website from time to time
to check if any new driver is released.
(**Note:** Please remove the old driver out first, and then install the last one into your device.)

■ **Removing**

Step 1：Turn the driver off

Step 2：Tap Start -> Settings -> System -> Remove Programs, (Figure 2) choose "**MiniKB**" and click the **Remove** button. (Figure 3)

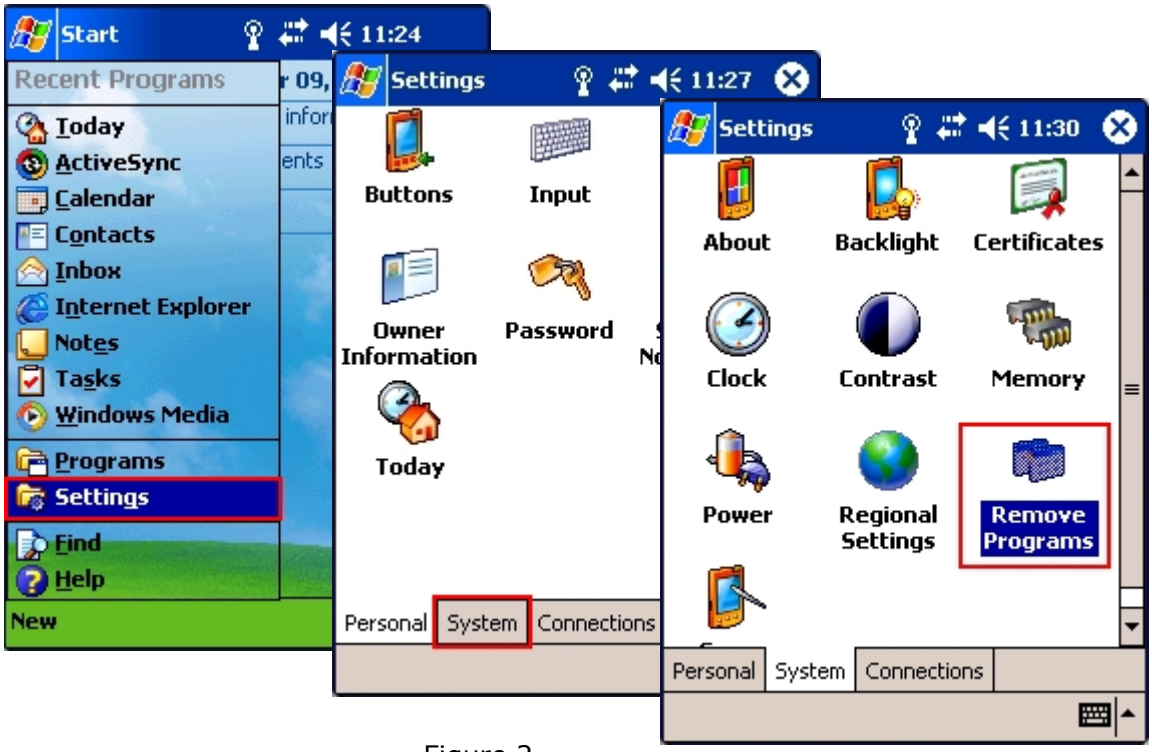


Figure 2

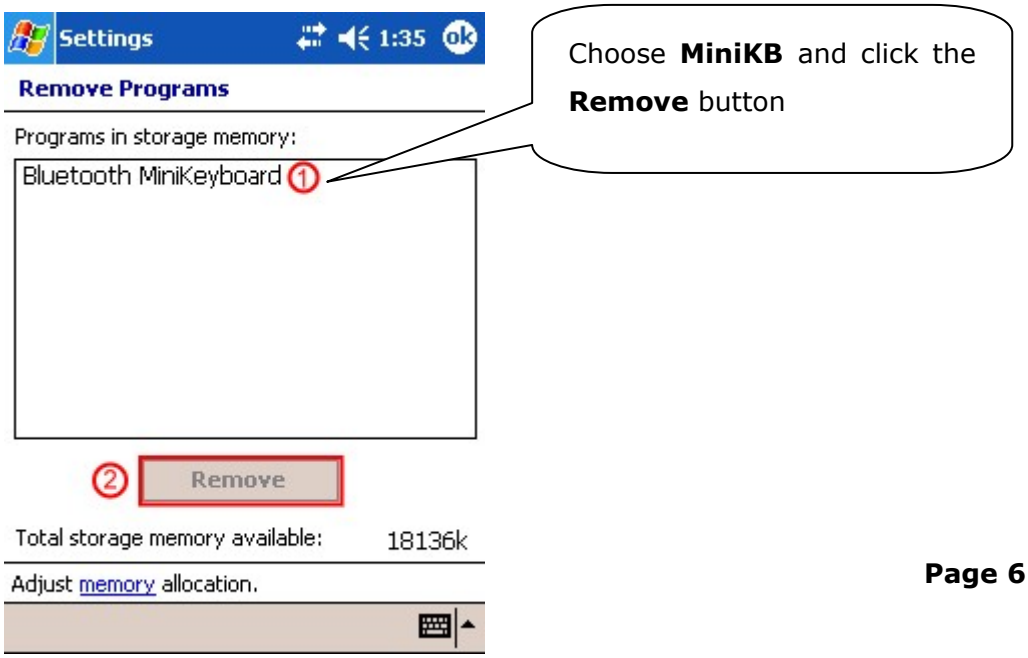


Figure 3

Configuring Bluetooth Keyboard

- When you click the "**MiniKB**" icon, you will see three pages "**Config**", "**Function**", "**About**". (Figure 4)

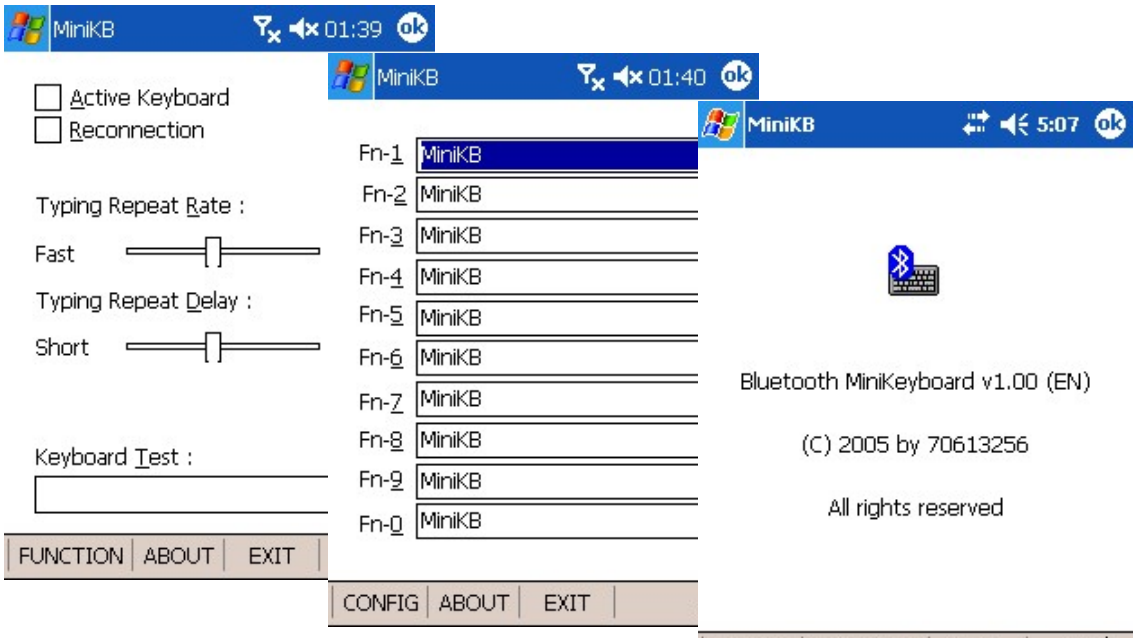


Figure 4

- **"Config" Page**

  There are including:

  "**Active keyboard**", "**Reconnection**", "**Typing Repeat Rate**", "**Typing Repeat Delay**", "**Keyboard Test**".

- **"Function" Page**

  This page provides ten user-definable function keys as **Hot Keys**.

- **"About" Page**

  Provides the version of the driver installed in your handheld device.

The Illustration of "Config" Page

- **Active Keyboard**

■ **How to connect the Bluetooth Mini keyboard with your device??**

Step 1:

Turn the Bluetooth Mini keyboard on, the LED will flash blue once every other second, the Bluetooth Mini keyboard is in Discovery mode.

Step 2:

Tap Start -> **MiniKB.** (Figure 5)

Figure 5

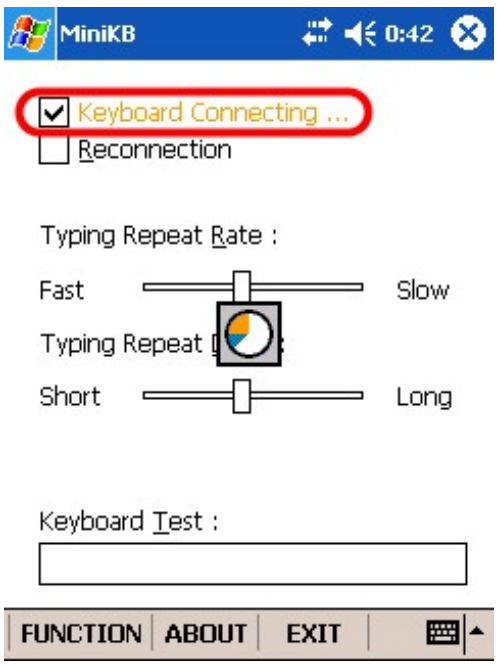


Figure 6

Step3:

Click "**Active Keyboard**".

Pocket PC will search and connect the Bluetooth Mini Keyboard automatically (Figure 6)

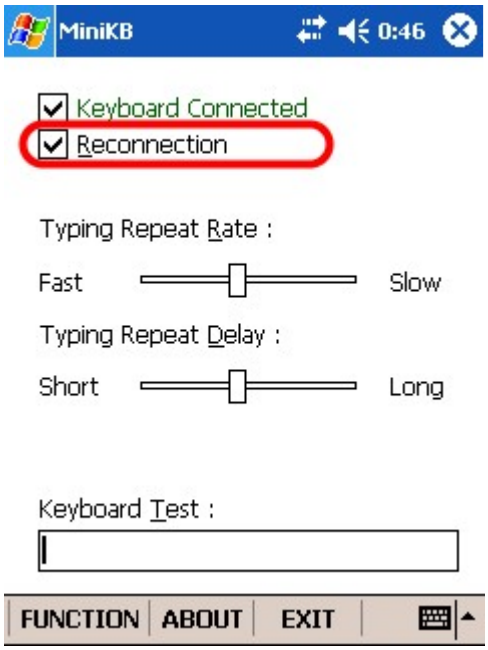


Figure 7

➢ **Reconnection**

After the connection established successfully, then you can turn "**Reconnection**" to "**On**". This function allows the Bluetooth keyboard memorizes the last connected device, and they will pair automatically in next connection without further search. (Figure 7)

Note: Please do not turn "**Reconnection**" on before the first connection established.

- **Typing Repeat Rate**

This option allows you to set the speed at which a letter, number or other character repeats when you press and hold a key. Use your stylus to drag the marker arrow toward **Fast** (to increase) or **Slow** (to decrease)
the repeat rate. (Figure 8)

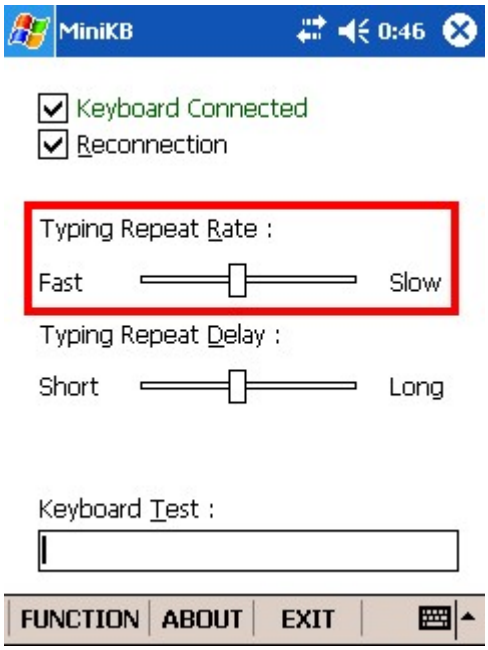


Figure 8

- **Typing Repeat Delay**

This option allows you to set the length of time before a letter, number or other character begins to repeat when you press and hold a key. Use your stylus to drag the marker arrow toward **Long** (to increase) or **Short** (to decrease) the length of the delay. (Figure 9)

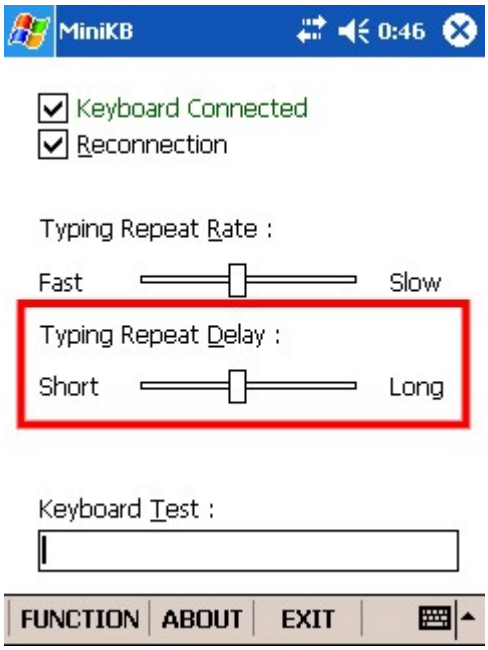


Figure 9

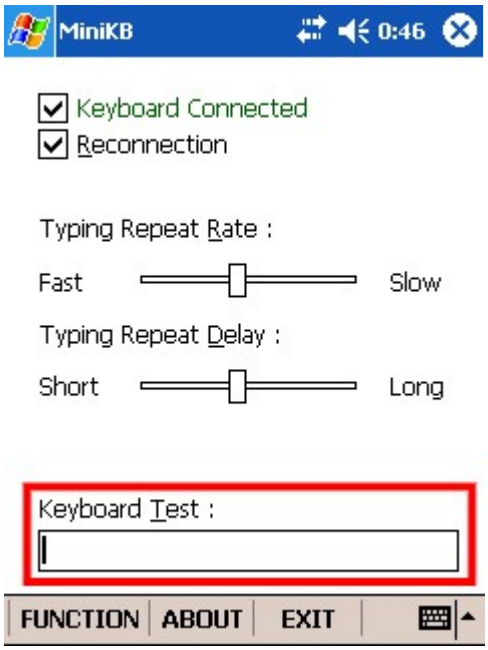


Figure 10

➢ **Keyboard Test**

Test the repeat rate and delay by holding down a letter or number key on the Bluetooth Mini keyboard. The character appears according to the setting you have chosen. Change and test these settings until you achieve the desired outcome. (Figure 10)

The Illustration of "Function" Page

➢ **How to set function keys for your Bluetooth Mini keyboard?**

You should able to set 10 different function keys (Fn -1, Fn -2 ~ Fn -0). Please use the [Fn] key to combine with the number [0] ~ [9] to active the function key. (Figure 11)

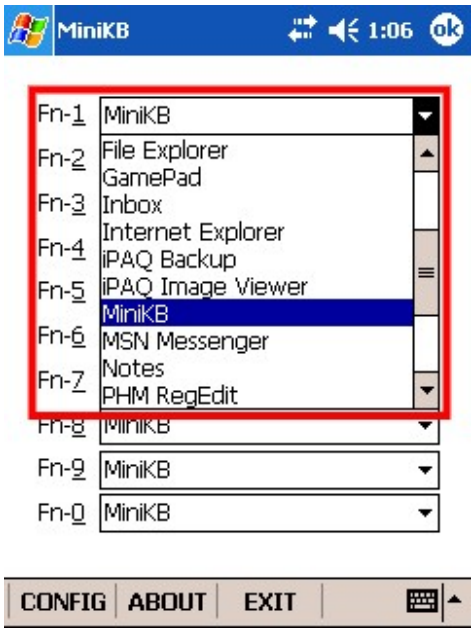


Figure 11

The Illustration of "About" Page

➢ **How to check the version of driver?**

Please click "**About**" page. (Figure 12)

Driver version: V1.00

English	Version	EN
French	Version	FR
German	Version	DE

Figure 12

Function key and the Combination keys

- **Launching Applications :**
  Launch the application by shortcut.

Function	Keystroke
Launches a specific user-defined application.	[Fn] + [Number]
Launches Today	
Launches Start Menu	[Fn] + [ ]
Launches “Inbox” application	[Fn] + [Z]
Launches “Contacts” application	[Fn] + [X]

Launches "Tasks" application.	[Fn] + [C]
Launches "Calendar" application	[Fn] + [V]
Launches "Notes" application	[Fn] + [B]
Launches "Word" application.	[Fn] + [N]
Launches "Excel" application	[Fn] + [M]

- **Editing Text Command :**

  This table lists the key combinations to activate various commands.

Function	Keystroke
Moves cursor left one word	[Ctrl] + [←]
Moves cursor right one word	[Ctrl] + [→]
Selects previous word	[Ctrl] + [Shift] + [←]
Selects next word	[Ctrl] + [Shift] + [→]
Selects the previous character	[Shift] + [←]
Selects the next character	[Shift] + [→]
Selects pervious line	[Shift] + [↑]
Selects next line	[Shift] + [↓]

Beginning of the line	[Fn] + [←]
End of the line	[Fn] + [→]
Page Up	[Fn] + [↑]
Page Down	[Fn] + [↓]
Select all	[Ctrl] + [A]
Undo last action	[Ctrl] + [Z]
Cuts selected text	[Ctrl] + [X]
Copies selected text	[Ctrl] + [C]
Pastes cut or copied text	[Ctrl] + [V]

- **Other Function Key :**

Function	Keystroke
All keys embedded with **gray** characters are accessible by enabling the Num Lock setting. Enabling Num Lock emulates a 10-key keypad interface found on most standard keyboards.	[Fn] + [Caps Lock]
Insert a tab	[Tab]
Generate an ESC	[Fn] + [Tab]
Show/Hide the input method	[Fn] + [Space]

- **Symbol Character :**

  International Character Key

Keystroke	Character
[Alt gr] + [1]	~
[Alt gr] + [4]	`
[Alt gr] + [6]	\
[Alt gr] + [7]	□
[Alt gr] + [Q]	®
[Alt gr] + [W]	©
[Alt gr] + [E]	€
[Alt gr] + [Y]	□
[Alt gr] + [P]	□
[Alt gr] + [A]	«
[Alt gr] + [S]	»
[Alt gr] + [D]	µ
[Alt gr] + [F]	Ç
[Alt gr] + [G]	ñ
[Alt gr] + [H]	¿

- **Latin Characters**

  How to input Latin Character?

Press **[Fn] + [Ctrl]** at the same time, the Bluetooth keyboard is in Latin mode. This table lists keystrokes to activate Latin functions**.**

Keystroke	Character
Q	á
W	à
E	ä
R	â
T	å
Y	ã
U	æ
I	ç
O	ñ
P	ø
A	é
S	è
D	ë
F	ê
G	í
H	ì
J	ï
K	î
L	ß
;	ý
`	Ÿ
Z	ó
X	ò
C	ö
V	ô
B	õ
N	ú
M	ù
,	ü
.	û
/	¿

- **Special Shortcut Key :**

This function supports to dial or hang up if your device include phone function.

Function	Keystroke
Dial	[Ctrl] + [T]
Hang up	[Ctrl] + [Y]

- **Calculator Functions :**

Press **[Fn] + [Caps Lock]** at the same time, the Bluetooth keyboard is in NumLock mode. This table lists keystrokes to activate calculator functions.

keystroke	Action
/	(+) Add
;	(-) Subtract
P	(*) Multiply
-	(/) Divide
=	(=) Equals
J	(1) One
K	(2) Two
L	(3) Three
U	(4) Four
I	(5) Five
O	(6) Six
8	(7) Seven
9	(8) Eight
0	(9) Nine
M	(0) Zero
C	Clear all
E / Backspace	Clear last entry
H	Clear memory
Y	Set current number on display in memory
R	Recall value in memory
,	comma
.	decimal point

Bluetooth Mini Keyboard Status LED

When the Bluetooth Mini keyboard is open, you can find a LED on your left side keyboard. This LED can indicate the status of the keyboard and battery

- When the LED flashs **Blue** light once every other second, this is the state that the Bluetooth Mini keyboard can be detected by handheld device.

- When the LED flashs **Blue** light twice every other second, this is the status that the Bluetooth Mini keyboard is connected by handheld device.

- When the LED flashs **Red** light once or twice every other second, this is the batteries are in low level. You should change the batteries immediately.

- When the LED flashs **Orange** light , this is the Mini keyboard is in charge mode

Product Specifications

Item		Typ.	Unit
Module Size (Close)	Horizontal (H)	90	mm
	Vertical (V)	71	mm
	Depth (D)	12	mm
Module Size (Open)	Horizontal (H)	172	mm
	Vertical (V)	71	mm
	Depth (D)	6	mm
Weight	Net	83	g

Absolute Maximum Rating

Item	Min	Max	Unit	Note
Operation Temperature	-10	50	□	Humidity Condition□ 5 ~ 90%RH
Storage Environmental	-30	70	□	Humidity Condition□ 5 ~ 90%RH

Appendix A: Troubleshooting

1. How do I verify my WinCE Operation System version?

- Go "Start ➔ Settings".
- Select "System" middle down your screen.
- Click "About".
- Select "Version" left bottom of your screen.
- You can see WinCE OS software version here.

2. I am not able to install Bluetooth keyboard driver to my Pocket PC?

- Please ensure the connection cable is connected between PC and Pocket PC.
- Please check Microsoft "ActiveSync" software is right down on your system tray.
- Click "Start ➔ ActiveSync" on your Pocket PC"
- To synchronize Pocket PC and PC to ensure connection is fine. (If you did fail to connect with your PC, please check the connection between Pocket PC and PC first.)
- Follow Bluetooth Mini keyboard user guide to repeat installation.

3. Why Pocket PC has no response when I type on Bluetooth keyboard?

- Make sure the keyboard is in the connected status by LED flash time.
- Check the battery of mobile device is charged.
- Check the batteries of Bluetooth Mini keyboard have enough power by LED color.

4. Why couldn't I remove the Bluetooth keyboard driver from my device?

- Please check if the Bluetooth Mini keyboard still in the link mode or not. If the keyboard still connected with your device, please close the application from your device and try again.

5. Why the message of " 'MiniKB.exe' will not found (or its Bluetooth component...)" is appeared when you press the "BTKeybd.exe"?

- That means the Bluetooth which inside your Pocket PC is not using the Widcomm Bluetooth Stack module. If the situation is happen on your device, please contact

us for support.

Appendix B: Look up the version of Bluetooth Stack

Tap "Start → Settings → System (or Connections) → Bluetooth"
Choose the "About" page from the bottom of your Pocket PC, and you should able to find the version of the Bluetooth Stack.
(**Note:** If you couldn't find the **Bluetooth** selection from the list, which means your Pocket PC is not able to support Widcomm Bluetooth Stack)